NERVE POWER.

SECOND LECTURE OF DR. BROWN-SEQUARD. SOME OF THE PACTS THAT ARE DIFFICULT TO EX-FLAIN-A NEGRO REDUCES CONVULSIONS BY FULLING AT THE GREAT TOE-MORE PERSISTENT VITALITY IN AMERICA THAN IN EUROPE, BOTH IN MEN AND ANIMALS-VARIOUS RELATIONS RE-TWEEN THE NERVOUS SYSTEM AND THE ACTION OF THE HEART-METHODS OF CHECKING CON-VULSIVE REPORTS, SUCH AS COUGHING. 44:

IFROM AN OCCASIONAL CORRESPONDENT OF THE TRIBUNE. Boston, March 1 .- Dr. Brown-Sequard delivered

he second lecture last night to a large audience : LADIES AND GENTLEMEN: In the last lecture I tried to shew several points relating to the force which we knew to exist in nerves. I particularly insisted on what I call the unity of force in the nervous system. I especially tried to show that every nervous action is the cause of an expenditure of nervous force. There are tew facts, however, which may be considered as constitriing an objection to that. I will mention some of them. The principal one is that we know full well that certain parts of the body may be extremely weak while others remain strong. But that certainly is no objection, since if we admit that the communication is obstructed be sween the part which is weakened and the rest, it is quite natural that there should be a diminution of force milat part. Besides this, there is something in the nervous system as well as in the muscles that permits a reaction after an irritation. There is a property of nervess lissue and muscles especially which we call excitabutty. The excitability of the nervous system is entirely and absolutely independent of the amount of nervous Perhaps it is wrong, however, to say as I have just done, that there is no dependent of one upon the other. There may be a dependence to this way, that the greater the amount of nervous force the loss excitability there is, and rice versu, the greater the amount of excitability the less amount of nervous force. People who have been ill; people who are nat stally extremely weak, or those who have lost a good deal of blood and have been weakened in that way; in other words, people who have very little nerve for are as is well known, extremely excitable. They will tump at a noise and in other ways show nervousness There is, therefore, something quite distinct in these two things-excitability and nerve force. This property efexcitation is nothing but the power to receive an excitation. Persons who are extremely strong, will not generally he moved by excitation. They will, of course appreciate the excitation; they will judge what it is they will remain calm under it. While, on the contrary, persons whose nervous system is weak, and who have little nerve force, will react under any excitation hewever slight, without giving to the mind time to

think of what the excitation is.

I said in my last lecture that the nervous force is quite different from electricity, that it is a force by itself; but I must add to this statement another one, that the pervous system is more or less charged with electricity all the time in health. The two forces, electricity and herve power, are both present; but not always inproportion one to the other, as sometimes there may be an opposite condition. But certainly the nerve force is not electricity, as we well know that the speed of the nerve force is only from 80 to 300 feet in a second, while the speed of electricity as you know is thousands and thousands of times greater.

THE ISPLUINCE THAT IS EXERTED UPON THE NERVES. I now come to the principal object of this lecture, which mirodices a subject that must extend to one or two more lectures-that is, the influence that the nervous system exerts upon itself by the force that we call herve torce. There are two kinds of such influence, which are absolutely distinct one from the other. One consists in the production of the activity, either normal or northd; the other consists in the cessation of the merbed or normal activity. These two great influences of herve force, acting upon parts at a distance more or less great, cover almost all the facts relating to the ingrening enter more fally into the history of facts which show that the nervous system can stop the action of a part of 1/8 extent. All we know on this subject is of comparatively recent discovery, and the principal fact developed is that which relates to the heart. The teetly healthy man may be stopped suddenly in its action in a way which is quite different fro that which regards muscles generally. If we galvanire a muscle that has been more or less a contraction by a current passing to and fro, stopping and passing again, so that the muscle is contracting and dewn exerted by the front of my arm-suppose that this wasting, and I pass a current into the nerves that goes to the muscles thus acting, immediately the movement steps; so that there is something similar to the cessation of the action of the heart. But the action stars not because the muscles have stopped acting. On the contrary, the muscles are acting with a wonderfu amount of electricity that is passing; and the contraction remains perfectly fixed so long as the current passes. This is the production of an active state in the muscle, and not the production of a passive state. According to the discovery of the brothers Weiber, when the big nerve in the neck that goes to the heart, and which we call the par vagum, is thus influenced, the heart stops, passively. not actively, like the muscles of my arm. The walls of the heart remain perfectly flacerd, perfectly motionless filled more and more by blood reaching it, and it becomes very much distended after a short time, as it does no reject the blood it is constantly receiving. There is, therefore, in that stoppage of the heart's action a phenomenou quite peculiar. And it is a phenomenon which implies a certain kind of activity. For although there is a passive effect obtained a passivity produced in the heart, there is an activity in There is an influence upon certain parts of the heart belonging to the nervous system, and it is certainly an activity aithough it consists in stopping a movement. I is just as if you were to stop the wheel of a carriage by

Pushing a wedge under it forcibly.

ACTION OF THE NERVOUS SISTEM ON THE HEADT. The great agents of the rhythmical movement of the beart are small gaughs, composed of cells of gray matter. They are suddenly rendered passive by the pscalar influence exerted upon them. Such an effect has been observed, first, by the galvanization of the found to appear when the medulla oblongata, or center from which that nerve starts, was galvanized. In experiments made by a French physiologist-Legallois-it was found that the crushing of the medulia oblongata produced an arrest of the heart. But he did not dis criminate between that Prind of cessation and death. He thought that death was caused by this crushing o the medulia oblongata, and that the heart had ceased because it had lost the source of its action. When I teck up the question I found that a simple pricking of the medulia oblongata could produce an arrest of the My friend, Prof. Charles Rouget, who toes up the question of the mechanism of the phenomena by which an organ is arrested in its activity, considered that what takes place in the heart is similar to other phenomena which he noted at the time he published his paper. He established this law: that all such phenomeus-which I shall call the phenomena of arrest. though in English they are generally called inhibitory phenomena-occurred always through the same mechanism. An irritation starts from a part which can convey nervous force, and the nervous force so con veyed after that irritation reaches the cells of gray matter which were active, and those sells of gray matter are immediately stopped by that peculiar influence For another illustration of this mechanism we are indebted to the observation of a very intelligent negro whose master was affected with a disease of the spinal cord which produced convulsions in the lower limbs The most intense stiffness would manifest itself in the lower limbs. They were rigid like a bar of iron for a time; and after ten minutes of this extreme rigidity they began to have violent jerks. The jerks then disappeared and the rigidity returned. All day long the lower limbs were in this state of muscular contraction. His servant, the negro, having to dress him, found it very difficult to put on his pantaloons. One day, he by chance took hold of his big toe, and found as he pulled it that the limbs became perfectly soft and movable.

The convulsions had disappeared altogether. [The

begro certainly had a natural genius for science. [Laugh

ter.] He learned the meaning of the fact. He learned that whenever he wanted to push his master's panta-

loons up, he had only to pull his big toe down. | Laugh-

ter and applause.] He succeeded every time. And as

the master found the cessation of the convulsions useful

at other times besides when he was dressing, the negro

was asked very frequently to act on the big toe in order

to effect it. [Laughter.] This fact is not a unique one.

I have seen is such cases. Many of my medical friends have seen them also. In fact it seems somewhat a rule

in cases where there is a certain disease of the spinal

cord hmited to a certain part, that this will be found.

In this case you find exactly the same thing that exists

in the heart when the pur vagum is galvanized. In both

cein. In the case of the heart the nerve goes to the cells

es there is a nerve that conveys irritation to the

that are in the heart. In the case of the big toe, the nerve goes to the cells that were in a morbid state producing these convulsions. In the one case, that of the phenomena of movement were nominal; in the other, the phenomena were morbid. Still, it was the same mechanism in both. In both instances a cessation of activity was produced.

PRESSURE ON THE NECK TO CHECK THE HEART'S ACTION

A friend of mine, Dr. Waller, a most intelligent man, a man of genius-although he was not a negro-found that by pressing on the neck he could produce the most interesting physiological phenomena. He has succeeded in that way in curing headaches, neuralgia of the face and many other affections in which there was pain or great congestion of the head. An attack of epilepsy may be stopped in that way. Many physicians before him had produced some of those results, but they all was from a pressure of the carotid artery Dr. Waller has the merit of showing that it is chieflye thought it was only, but I have found that it is chiefly, not only-through an irritation of that perve, the par ragum, that the motion of the heart is arrested in th ases, and that a diminution of the beating of the heart was followed by an amelioration in the circulation in the head, a cessation of an attack of epilepsy and of various other complaints. It was something, therefore gaite different from the mere pressure on the carotic tery. These views were not absolutely complete, as I have found that another nerve which goes to the blood essels of the brain is also irritated by the process nd that the pressure exerted in the neck produces three effects: (t) It certainly diminishes the current in the arctid artery, and indeed store that current altogether f the pressure is considerable; (2) it diminishes the circulation considerably, and may induce a profound state of syncope by acting on the par ragum; and (3) it also

traction of the blood vessels in the head, by means of which a part of the good effect is obtained. There are perhaps no parts of the nervous system which cannot under irritation have an influence on the heart to stop it. Even irritation of the nervor fibres of the brain may produce a cessation of the ac-tivity of the heart. Physicians in this room know pertivity of the heart. Physicians in this room know perfectly well that sometimes a patient stricken down with apopiery may have a great reduction in the action of the heact, and sometimes synocope may take place, resulting in death. In the spinal cord it is so also. There are indeed parts that cannot be pricked by the ninest needle without some influence on the neur. Legallois, the French phy sologist, of whom I have already spoken thought that all of the spinal cord was a center for the movements of the heart, and he had made experiments which seemed certainly to show that that was the case. He had passed a small bar of iron along a part of the spinal cord, and had found that that stopped the heart's action. But he made a mistake in considering that it action.. But he made a mistake in considering that was because he had destroyed the nerve center of the

acts on the cervical sympathetic, and produces a con-

GREATER VITALITY IN AMERICA THAN IN EUROPE.

This experiment was the occasion, as perhaps some of you aiready know, of my finding that animals in this country can bear an injury far more easily than the same animals in Europe. I have ascertained that it is so for man also. And this is why so many medical writers in Europe consider that facts of this kind pubwriters in Europe consider that facts of this kind published here are mere inventions. There is a distrust among European physicians in the honesty and uprightness of American physicians, occause the former cannot understand how man in this country can survive terrible injuries which would be rath to him in Europe. I would not say that the truth is absolutely respected in this country or anywhere else, but still there is no doubt that the facts which have been mentioned are perfectly true. Experimenting on a rabbit before a class in the University of New-York, I had announced to them that pushing the instrument as I was about to do along the cord, would be quite enough to kill the anitial immediately. Fortunately for me, I had said that do the was due to the homorrhage accompanying the strument, and not to the Loss of the influence of the spinal cord. After pushing the instrument in for some distance, I found the rabbit which had been operated upon, ealing a carrot faughter. The class laushed more than you do now, and not at the rabbit but at me. [Laughter,] I could not understand at first what it was due to, and I then pushed the har of iron its full length, or nearly one-half the extent of the spinal cord, but the rabbit continued to cat its carrot. Fortunately for me and for science, I found that there was no hemorrhage at all. I then took up the rabbit by its cars and showed that

ropean animals is one to the stopped of a blow on the belly. Long agonal differences.

The heart can be stopped by a blow on the belly. Long ago Dr. Hunter had determined this. The fact was known before him, but he insisted on it. But the explanation was not what he thought. But it takes science a long while to move; progress is find slowly; and in this case it was a long time before the facts were generally received and a true explanation reached. Goliz, a physiologist in Germany, has made experiments on a frog, consisting in giving a blow of the finger on the belly; he has repeated the experiment which had been made so many times on man. Only since his time has it been known that the sympathetic nerve there has the power of slopping the heart's action. I had published different researches showing how it is that in peritonitis, which is an initamization of the thin membrane in the abdomen, death occurs from lack of action in the heart. It is owing to an irritation of the ramifications of the sympathetic nerve in the abdomen, that the heart's action slops. This is very important to know, as if we possess the means—and we do possess them—of diminishing the irritation that takes place in these cases in the abdomen, we may any the hire of the patient. It is well known that the means which frequently saves in peritonitis, that is the use of opisin diminishes the excitability. we may save the life of the parison. It was along that the means which frequently saves in peritonitis, that is the use of opium diminishes the excitability, and in that war prevents the influence on the heart. That influence goes up from the addomen to the spinal cord, and rises there to the metallia oblimatic, and then descends from the metalla oblimagata by the par

cord, and rese increases from the medulia obiongata by the paragem to the heart.

A great many facts which you may observe at water-ource establishments, show the influence that cold pessesses, by acting on the skin, in diamnishing the action of the heart. There are a great many persons who are said to have no reaction after having been submitted to a cold douche or shower, and there are many who are in danger of dying from this treatment. Indeed, the person I know most infiniately is absolutely unable to receive a douche of water without being in danger of dying from a cessation of the heart's action. In experiments made by two friends of mine, Dr. Dickinson and Dr. Bence Jones, they had passed so far the influence of cold water on the skin that they had actually mad an arrest of the heart's action. It shows, therefore, that there is danger in the douche or shower-lath, and that persons who have not the proper reaction ought not to continue to expose themselves to such a cause.

There are many other causes that may stop the heart's action. It is perfectly well known that emotion can do it. In all such cases it is by pretty much the same mechanism. Chloroform kills in that way. One or two breathings of chloroform hay be sufficient, by the maneagem of the complete of the par vagion in the lungs, the irritation going up to the medical obsonguta and then down to the heart and arresting its action. It has any a way as find what an effect may be produced on the action of the heart. I have ascertained that by putting carbonic acid in the larynxes of animals, the heart's action may be stopped immediately. Still I am oold enough in many instances to push carbonic acid with great violence toward the larynx, when it acts at the same time on the minous membrane of the most in the same time on the minous membrane of the most in the same time on the minous membrane of the most in the same time on the minous membrane of the most in the same time on the minous membrane of the most in the same time on the minous membrane of th

with great violence toward the larynx, when it acts at the same time on the mucous membrane of the mouth, and loses something of its bad effect which consists in the arrest of the heart.

DANGEROUS METHODS OF CURING HEADACHES In one instance I found that a mode of curing head thes which is now employed may be liable to fatal re uits. A friend of mine had a very bad headache. I ought that if I could galvanize the cervical sympa hetis in the neck, which goes to the blood-vessels of the

thought that if I could gaivanize the cervical sympathetis in the neck, which goes to the blood-vessels of the head, I should produce a cessation of the pain almost at once. I succeeded admirably, but I almost succeeded in killing my friend. The heart's action stopped, and he was in great danger of death from a gaivanization of the pair edgeon which had taken place at the same time I was gaivanizing the sympathetis. Since that, I have been more-prudent, and have not repeated the experiment. Many physicians, however, galvanize the sympathetis. They do it, it is true, in a way which is different from the one I employed; they apply the currents with more care. Still, I cannot but confess that there is danger in the process.

I pass bow to what relates to the arrest of respiration. There is no doubt that the respiratory movements are all due to an activity of cells of gray matter, just as the movements of the heart are; the oris of gray matter, as regards respiration, being placed on the base of the brain and in a part of the spinal cord. The same nerve, the par eagum, which goes to the heart, has a set of fibers which, instead of going down, go upward, and toward those cells of gray matter in the base of the brain and spinal cord. So that if you divide the par eagum, having one hand by which you can act on the heart and another by which you can act of the heart and another by which you can act of the heart and another by which you can act on the heart and another by which you can act on the heart and another by which you can act on the heart and another stop the respiratory movements. The stopping wing one name you can act of the brain, you can be other by which you can act of the brain, you can il, at one movement, stop the heart's action, and in il at one movements. The stopping the respiratory movement is very peculiar. I have the respiratory movement is very peculiar. I have fortunately no time to enter into details about afterear are two kinds of nerve fibers able to stop the arthere are two kinds of nerve fibers able to stop the antivatory movements. There is one kind, according

nefortunately no time to enter the trains about the respiratory movements. There is one kind, according to Rosenthal, going to the larynx, acting by the nerve which is onlied the superior laryngeal. This stops respiration by the cessation of the diaphragm, which is the muscle that dilates the chest. This is rendered soft and inactive by the gaivanization of the perve. The other part of the par vagum stops respiration by another meet and inactive by the gaivanization of the perve. The other part of the par vagum stops respiration by another meet alism quite different, which I shall not stop to describe. But respiration can be stopped by a great many other means which are important to be known. It is important to know, for instance, that by passing a current of carbonic seid through the larynx, we can diminish the activity of the respiratory movements almost at once, I have seen convolsions stopped immediately by the passage of carbonic acid in that way, and the respiratory movements themselves may be stopped altoxether for a time; and as you are sure that they will return if you stop acting with the carbonic acid, you have there a means of diminishing the influence of a morbid state of respiration.

There are facts which I should have mentioned re-

respiration.

There are facts which I should have mentioned regarding the heart, which relate also to respiration. If we take a pair of beliows and insufflate air into the mouth of an animal, we find that the activity of the heart is diminished. If we do the same with a view of affecting the respiration, we find that the animal does not then take the trouble to breathe. It seemed to the physiologist that first made the experiment that, as he was giving the animals all the air they needed, they would be perfectly stupid to take the trouble to breathe. [Laughter.] The reality is that they do not think at all about it. I may say that they have no power of think. about 1. I may say that they have no power of think-ing, as in many cases the activity of the mind is lost for the time. But even if the mind remains, there is a ces-sation of the activity of the cells that serve respiration by the irritation of nerve-fibers in the bronebia. I have ascertained for instance that if you divide the

par vagum in the neek so that the communication between the broncha and the brain no longer exists, if you insuffiate carbonic acid into the lungs there is no more stoppage of the activity. Therefore the stoppage took place through the influence that was propagated in the ramideations of the par vagum toward the brain. As Hering has insisted upon, there are many facts which show that the very effort of breathing brings with it a cause that stops breathing. The very fact of drawing in air is a cause which stops the action of drawing in air, it has gone a little farther than I should go in saying that the expulsion of air from the lungs is also a cause of stoppage of expiration. It seems in reality as if these three movements, the movements of the heart, of inspiration, and expiration, had associated with them a cause that diminished them. When that cause is deficient, in morbid states, then we find the movements of the heart becoming exceedingly rapid, and we find the movements of the repulation of those movements belongs to the proper action of those powers of arrest which exist there. As regards the heart, in cases of palpitation, tor instance, we have a simple means of diminishing the palpitation; it is breathing in rapidly and formity a good deal of air, dilating the chest as powerfully and quickly as we can. In that way an influence is developed which I have found to be the result of the association of the nerve force that goes to the muscles of the chest and the force which descends and stops the heart's action. At the same time that the current goes from the brain to the muscles of the chest and the force which descends and stops the heart's action. At the same time that the current goes from the brain to the muscles of the chest and the force which descends and stops the heart's action. At the same time that the current goes from the brain to the muscles of the chest of dilate if a current associated with that goes down the par signm toward the heart to degine in the case of breathing is an act which mod MEANS OF CHECKING COUGHING, SNEEZING, AC.

There are many facts which show that morbid phe comena of respiration can be also stopped by the influence of arrest. Coughing, for instance, can be stopped by pressing on the nerves on the Bp in the neighborho of the nose. A pressure there may prevent a cougt when it is beginning. Sneezing may be stopped by the same mechanism. Pressing also in the neighborhood of

when it is beginning. Sheezing may be stopped by the same mechanism. Pressing also in the neighborhood of the ear, right in front of the ear, may stop coughing. It is so also of hiecough, but much less so than for sheezing or conghing. Pressing very hard on the top of the mouth inside is also a means of scopping coughing. And I may say that the will has immense bower there. There was a French soldier who used to say, whenever he entered the wards of his hospital, "The first patient who congist here will be deprived of food to day." It was exceedingly rare that a patient coughed then.

There are many other affections associated with breathing which can be stopped by the same mechanism that stops the heart's action. In spasm of the glottis, which is a terrible thing in children, as you well know, as it sometimes causes death, and also in whooping-cough, it is possible to afferly relief by throwing cold water on the face, or by tickling the soles of the feet, which produces hargister and at the same time goes to the array matter that is producing the spasm and arrests it almost at once. I would not say that we can always prevent cough by our will; but it mostly instances those things are possible, and if you remember that in oronelitis and pneumenta, or any other acut affection of the wars, meeking or coughing greatly in freases the trouble at times, you can easily see how in portant it is for the patient to try to avoid coughing a

an.
s also a series of other convalsive movements There is also a series of other convalsive movements more or less associated with breathing, and it is very important in those cases to counteract the influence by action on certain parts. There is a form of epilensy which consists almost exclusively in what Basil Hall has called laryngismus. He had an idea that it was essential to open the trachea and let the patient breathe through an opening there. But this is not at all necessary, even if it did good. Touching the larynx with a sponge charged with a solution of nitrate of sliver will very frequently prevent laryngismus, when it has just began and it has very little power. But in those cases of laryngeal epilepsy, in which the convolsions come from affections caused by a spasm of the barynx, there is no doubt that this device or expedient changes the activity in the muscles, and that activity is enough to produce a cure.

activity in the muscles, and that activity is chough to produce a cure.

There are a good many other phenomena of arrest. The most interesting are those relating to the brain. I cannot in this lecture speak of more than one of them, and that is arrest of the cerebral activity, of thought, of consciousness. It is well-known, also, that in certain cases of syncope it is lost, in cases of seep, also, it is lost, the lost in cases of seep, also, it is lost, except of course in great dreamers, and then there is hardly any consciousness, and in any case the condition is quite different from that of wakefelness. There is an evidence that a theory which I advanced long ago to explain the loss of activity in the brain is only partially true. It was that a contraction or spasm takes place in the blood vessels of the brain, that blood does not circulate there any more, and that, as I then supposed, the stoppage of the circulation causes a cessation of the activity of the brain. But there is another cause in these cases in which there cannot be a contraction of the blood vessels, because the principal nerve which produces these centractions has been divided; and even in those cases a loss of consciousness can take place suddenly. Pricking the base of the brain animal after a division of the networks that go to the base of the brain. But there is another that have a complete is another fact. If we galvanize the par vacuum so as to arrest the heart's action, there then is no circulation at all in the brain; and if we have galvanized only the part of the nerve which goes to the heart after having divided it, so that there is no circulation at all in the brain, the sammal remains consciousness the want of circulation, for the heart's action, there then is no circulation at all in the brain, the sammal remains consciousness to want of circulation will produce a loss of consciousness. In choicera, too, the brain remains active sometimes, although there is no circulation in the brain, although the blood there is perfectly black. are a good many other phenomena of arrest.

A BOND BASIS BUT NO INFLATION.

To the Editor of The Tribune.

his brain is "muddled" by the discussions going on around him on the financial question. Mr. Morrill should read THE TRIBUNE and get clear of his perplexities. There is nothing bewildering in the financial problem to anybody who will look at it steadily from the correct point of view.

There are just two points to be considered, and two

only : and there are just two parties to the question, and two only. One of these parties desires contraction and a return to specie payments. These two things we put together, because we consider them to The other party desires expansion by the issue of more paper money. Our plan is to satisfy both parties to a reasonable degree.

Instead of redeeming our paper money in specie, we propose its redemption in a 5 per cent gold bond of the United States. This is something valuable and valid. It is a return to something like coin pay ments. For such a bond has a commercial value in our own and all the markets of the world at a steady rate, approximating the value of coin. Why should not hard money men, and redemptionists of any degree, unite in the support of such a measure ? a most important step in a conservative direction, and will bring us nearer, much nearer, to specie payments than we now are.

We say to the inflationists, accept this reasonable

basis of redemption and we will go with you to break up the existing monopoly of banking, and throw it wide open to everybody everywhere. No community that desires more banks, no town or village that desires a new bank, shall be denied.

Here, then, are two propositions of the plainest and most practical character, that need "muddle no man's brain; which embrace the whole subject. or so much of it as Congress is now called to act upon. Both are before the Senate, and have been voted on several times during the past week, and both have received the votes of nearly a majority of that body. We cannot help thinking that the majority of Congress, Mr. Senator Morrill of Maine included, must, sooner or later, get rid of their bewilderment, and perceive in these simple propositions the true solution of the financial question in its present phase.

It is entirely certain that the extreme measure of resorting to the resumption of coin payments will not now be adopted, either by boldly facing the issue or by the acceptance of any of the sugar-coated measures proposed by one and another of our financial reformers. And we suppose it to be equally true that Congress will not pass the ruinous and unconstitutional measure of issuing more greenbacks. Our practical danger is that we shall get inveigled into a wild-cat banking system; that is, of permitting the establishment of banks of issue, without holding them to any plan of redemption except, as now, in irredeemable notes of the Government. If we go to expanding our circulation in that way, we shall bring on another crisis, which Congress will be called on to relieve by widening the basis of banking, by the issuing of more greenbacks. If we once get fairly embarked in this see-saw business, our whole paper money system will be thrown into confusion and ultimately explode.

It will be but little better if Congress attempts to control expansion by limiting the amount of the aggregate issues of the banks. This is a dangerous

control expansion by limiting the amount of the aggregate issues of the banks. This is a dangerous reliance: for every time there is a pressure, an excuse will be found to enlarge the sum.

The only safe way, and the way that can be least complained of, is to leave the whole banking field open for anybody to work who will, but holding all who issue paper money, Government included, to a redemption of their issues in something specific and commercially valuable. This, and this alone, will be considered the present of the prese prevent dangerous inflation.

Philadelphia, Feb. 23, 1874

THE POLARIS VOYAGE.

NEW DETAILS BROUGHT OUT BY THE IN-VESTIGATION.

DIFFICULTIES WHICH PREVENTED PURTHER AP FROACH TO THE POLE-THE SCIENTIFIC RESULTS OBTAINED AND THEIR ACTUAL VALUE.

The complete accounts of the Polaris Investiga tion give many interesting particulars which were not supplied in the telegraphic dispatches at the time. From the report now issning from the Government Printing-Office we make the following ex-

In the morning, about 4 o'clock, we came to

Capt. Buddington's testimony is very definite as to the impracticability of pushing the vessel further north than the point which they reached. He says :

step, and Capt. Hall told me to go in on the east side. There was no chance to get westward or any way. except into the east from where we were, and he sale we would look for a harbor. I accordingly steered square in across the channel for the east side and ran alongside of one heavy floe about six mites, by Walker's patent log, and in the evening the captain tried to land could not get ashere without losing his boat, on account of the ice. That night we had it foggy. That wis a what is called Repuise Harbor, above Newman's Bay The next mercing he tried to and again. We knocked about that night and took every advantage to get north that we best could, but did not succeed. It was forcy during the night-somewhat misty. Next morning Capt. Hall anded again with Mr. Tyson-or rather tried to land at the same spot, but they could n't get ashore. They come near losing their boat, as was reported to me. It was all I could do to keep the shore there, the heavy floo it was a very strong tide. It was about the full of the moon, I think; I do not recollect now, exactly; but know there was a very strong tide running to the We had the ship under steam, and when Capt. Hall came that we should so to Newman's Ray, which would be an open place. That was about eight or ten miles south o us. That was the only place I could see, and I thought it best to go in there, and if the channel cleared we could see it and be open to it, an ! not run the risk of getting beset in the ice in trying to stay out there. He neld a council with the officers-Dr. Bessels and myself. and the others-which I have here, that was written down as it occurred. I believe, word for word. It read

"Consultation held on board the Polaris in regard to getting further north with the vessel, the vessel be on the east side looking for a harbor. Dr. Bessels, Meyers, Capt. Tyson, Capt. Buddington, Mr. Mori and Mr. Chester. Doctor wanted to cross the straits and Mr. Chester. Doctor wanted to cross the straits to look for a harbor, as being better for sieddle journeys, while the east side was better for navigation, if we could not ret further north. Mr. Moston coincided with Dr. Bessels; Mr. Meyers had the same opinion; Mr. Chester to get as far north as possible; Capt. Tyson to get into harbor as soon as possible; Capt. Buddington to keep on east side as being better for navigation, and certainly better for sledge journeys. It was impossible to get further north on account of the pack. Go along the coast on the east side of the straits southward until a beyond is mached, which could be done in a short time. coast on the east side of the strains some at a harvor is reached, which could be done in a short to There had been seen one a few miles to the south present position of the vessel. It was decided by cemmander to cross the straits. In doing so we got buy the pack and drifted back about afty miles."

Question. Was there ever any chance to get North with the ship after she got beset in Robeson Channel Answer. No, Sir; none that I know of.

Question. Was there a consultation there by Capt. Hall with Chester, Tyson, and Jourself ! Answer, Not with me; I never heard of any.

Question, With anybody ! Answer, No. Sir; not that I know of. There was something said after we got into Polaris Bay about the chance to get North. Capt. Hall stepped up to the hill himself and looked at the ice, and came back and decided that it was impossible. He never asked me about going further at all, but told me that to end the thing he would make that his Winter

The first mate of the Polaris, Hubbard C. Chester, is not so definite upon this point; in fact he throws a

oubt upon it, as follows: Question. If you had had command of that ship, could you have gone further north f Auswer. I do not like to say anything of that kind. I should have tried hard to. I thought I could see considerable open water at the north. We knew by the water-cloud that there was an open sea of water there. That was evidence, because we saw all the time we were in the channel, when it was clear, this dense white cloud to the north. We knew, after we got through this channel, that we would be going into a large bay or sea of some kind. The best chance I saw was at the time we steamed in after we got out of the ice, when we were beset there. I think we could have gone up through the channel on the east coast, because the wind was to the north-east, and all the ice there was in the channel-was in the middle and on the west shore. Whether I could have done it I can't say, but I should have tried it if I had had the privi-

Dr. Bessels submitted a memorandum of the most important discoveries of the expedition, namely : The results of the expedition may be summed up

briefly as follows: 1. The Polaris reached 82° 16' N., a higher latitude than

2. The navigability of Kennedy Channel has been

proved beyond a doubt; 3. Upwards of 700 miles of coast line have been discovered and surveyed;

4. The insularity of Greenland has been proved; and 5. Numerous observations have been made relating to astronomy, magnetism, force of gravity, ocean physics, meteorology, zeology, ethnology, botany, and geology, the records of which were kept in accordance with the instructions supplied by the National Academy, and

some of the results of which we propose briefly to enu-Great care was taken in determining a reliable merulnan at Thank-God Harbor. Soon after entering Winter quarters an observatory was erected on the shore, 34 feet above mean sea level, and the transit instrument stationed there. The longitude of this station was de termined by the observation of 300 lunar distances; a number of moon culminations; a great number of statransits; a number of star occultations; and a great number of altitudes of the sun on or near the prime vertical. Its latitude by the observation of a great number of circummeridian altitudes of the sun, and a number of altitudes of stars. All of these observatious were lost, but a number of the results have been preserved which are sufficient to establish the position of this station.

Besides the above mentioned observations, 20 sets of

pendulum experiments were made, which are saved, bu

the observations for time belonging to them are lost. The magnetic observations obtained were more com plete than any others ever before made in the Arctic regions. The instruments supplied were: One unifilar declinometer; one dip circle, with Lioyd's needles; one theodolite, and several prismatic compasses. The observations on variation of declination were registered at Gottingen time, and were continued for five months. Readings taken hourly. Beside that, three term days were observed every mouth, according to the Göttingen regulations, one of these term days corresponding with the day accepted by all the magnetic stations. Further, a number of observations were taken either with the theodolite or the prismatic compass. Whenever possible, the dip was observed, and several sets of observations on relative and absolute intensity and of the moment of mertia were obtained.

Unfortunately there was not much opportunity for taking soundings. About 12 were obtained along the coast of Grinnell Land, which prove that the hundredfathom line follows the coast at a distance of about 15 miles in Smith Sound. One of these soundings 600 fathoms) proved highly interesting, containing an organism of lower type than the Bathybius discovered by the English dredging expedition. It was named Protobathybius robesonsi. A number of deep-sea temperatures were taken with corresponding observations on the density of the water. Following the coast of West Greenland the limits of the Gulf Stream were ascertained. Specimens of water from different depths were preserved in bottles, but, unfortunately,

After having entered Winter quarters meteorological observations, which up to this time had been made three-hourly, were made every hour, Washington time. The register contained observations on the temperature of the air, atmospheric pressure, psychrometrical observations, directions and force of wind, appearance of the sky, state of weather, and both solar and terrestrial radiation. Besides, all extraordinary meteorological phenomena were carefully noted.

Special attention was devoted to the aurora borealls, which occurred frequently, but rarely showed brilliant colors, never bright enough to produce a spectrum. Whenever necessary, one observer was stationed at the magnetometer and the other out doors, the former ob-serving the motions of the magnet, while the other was watching the changes in the phenomenon and taking sketches. Although an electroscope and electrometer were set up, and the electrical condition of the atm sphere frequently tested, in no instance could the least amount of electricity be detected. The amount of precipitation was measured as carefully as the violent gaics would permit, by means of a rain gauge supplied

with a funnel. In February, as soon as the sun reappeared, observatious on solar radiation were command continued throughout the entire Summer.

The collections of natural history are nearly entirely lost. With the exception of two small cases containing animals, minerals, and one package of plants, nothing could be rescued. The character of the fauna is North American, as indicated by the occurrence of the lemming and the musk-ox. Nine species of mammals were found, four of which are seals. The birds are represented by 21 species. The number of species of is about 15, viz.: one beetle, four butterflies, six diptera, one bumble-bee, and several lebneauous, parasites in caterpillars. Further, two species of spiders and several mites were found. The animals of lower grade are not yet ready for examination.

The fora is richer than could be expected, as not less than 17 phanoragamic plants were collected, beside three mosses, three lichens, and five fresh water alga-

Atthough the formation of the Upper Silurian limit stone, which seems to constitute the whole west coast north of Humboldt Glacier, is very uniform, some highly teresting and important observations have been made It was found that the land is rising, as indicated, for instance, by the occurrence of marine animals in a fresh water lake more than 30 feet above the sea-level and far ont of reach of the Spring tides. Wherever the locality was favorable the land is covered by drift, sometimes con taining very characteristic lithological specimens, the identification of which with rocks in South Greenland was a very easily accomplished task. For instance, garnets of generally large size were found in lattinde 81° 30', having marked unperalogical characteristics by which the identity with some garnets from Piskenne: was established. Drawing a conclusion from such ob ervations it became evident that the main line of the drift, indicating the direction of its motion, runs from

it would lead too far to enter into detail with regard o numerous miscellaneous observations that were made beside those mentioned above.

GRIEVANCES OF A POLARIS SURVIVOR. To the Editor of The Tribune.

Sin: The reception of the officers and crew of the Polaris by the Geographical Society in Cooper In entote on the 16th inst., so far as concerns helding the attention of perhaps the largest addlence that ever assembled within the walls of the building, was a succeas. But to the comparatively few who were particularly interested, and who understood both the lecturer and his subject, as also the remarks of Capt. Tyson and the motive which prompted him to make the assertion he did, it was only a source of mortification and sorrow, and I might add insult, did we not know too well most distinguished of living Arctic explorers" words to have affected us in any other way than to appeal to our sense of the ridiculous. The most serious reflections were made on the good

name, preëminent qualifications, and distinguished abilities as an Arctic explorer of our revered commander, the late Capt. Hall. Every member of the crew except, perhaps, Mr. Tyson, felt shocked at the discourteens language and bearing of Dr. Hayes, He assumed, at times, to have us on exhibition, then in the witness-box, and finally he totally ignored every word ever spoken by any of us in regard to the non-existence of his mythical "open P.lar Sen." He confidently asserted it as his conviction that the distribution of land and water was not as we had reported from actual obser vation, but as he had magnied. He yet claims to have stood upon the shores of the Great Polar Basin," his eye reaching far out over the apparently "illimitable ocean which rolled in grandeur at his feet." We found this basin to be merely a slight expansion of the channel 35 or 40 miles wide above Cape Leiber, forming, on th opposite side, what we explored and called Polaris Bay And it remained almost continually filled with during our entire stay of 11 months and 12 days. His reputed discoveries proved only a trap to Capt. Hall. He took advantage of the large gathering of peo-

ple-who had come not to hear him, but to hear of the Polaris by some one of those who had accompanied the vessel-to inflict on them his cut-and-dried ! history, objects, &c., of Arctic discovery. Many can atest that this was the sixth or seventh time he has delivered it. After giving the audience a full explanation of this "great sea, equal in extent to the North Atlantic and open because of its great width and depth," and displaying on cauvas his own ideal geographical comion, with an imaginery truck of the Polaris and she had passed that formidable barrier, the ice-belt, which had hitherto excluded less fortanate vessels from which had altered to the Poie; piloting her with his magic wand safely through all this, on canvas, and meeting scarcely an obstacle, he leaves her, in imagination, calanly floating on the placel surface of this virgin sea. Carrying the anticnee with him in this remarkable flight, and disclosing to their neutal vision the brave little saip with all danger left behind, and ready to proceed direct to her goal, he suddenly turned on its, and actually challenged the Polaris crew to inform the audience why we did not proceed northward. Apparently he now felt that he was about to animilate as; regarding Capt. Buddingtoniwith a stare expressive of his conviction.

Having extended the "few minutes" in which he was going to detain the audience into an neur and a quarter, and smoothing the road for Capt. Buddington as above indicated, and having propounded the momentous question the answer to which was to forever settle our claims to an unfaitering discharge of daty, he took his seal. Capt. Buddingson arose and modestly and truthfully stated in a few simple words the condition of the channel at, and above, as far as could be seen, the greatest point of our northing. But before the capital was scated, "the most distinguished of living" authors of Arctic romance had begun a reply, substantially that it, was his opinion that the only difference between Robeson Channel, as shown oy our surveys, and the open Polar Sea." as described by him, was that of the the thermal waters of the Pole; piloting her with his

"open Polar Sea," as described by him, was that of the impressions that would be made upon two partleobserving the same appearances of a country. Such a
proposition virtually arraigned the veracity of the
whole crew. He intimated that if he instead of Capt.
Hall had been in command the "Stars and Stripes
would have floated over the very axis of the earth."
But from this unparalleled attack on the noble dead,
and these instantations on the living, he was purity exomerated by the utterances of G.E. Tyson, who now, for
the first time since his connection with the expedition,
intimated that Capt, Hall did not do all it was possible
for any one to vio in trying to work the vessel further intunated that Capt. Hall did not do all it was possible for any one to do in trying to work the vessel further north. He proceeded to inform the audience that there were unmistakable evidences of open water to the north, and that at one time he thought be saw it, supposing it be about eight miles distant; and that it was his conviction that by a persevering continuous effort we might have reached the water and have gone much nearer if not entirely to the Pole. "What interest Capt. Tyson had in making such a statement it is impossible to conjecture. The excitement of the occasion may have left but into such exaggeration.

to conjecture. The excitement of the occasion may have led him into such exaggeration.

Mr. Bryan was invited to give his views in regard to the particular question under consideration. Even under this embarrasing restraint, Mr. Byean thought it his duty to say a few words. He gave it as his conviction that no vessel, under the same circumstances, could have gone further north than did the Poiaris, and in this position he was sustained by every member of the expedition except Capi. Tyson. It was a source of regret to all of us that Mr. Bryan did not speak toncer and excess, as he well could have done, the preof regret to all of us that Mr. Bryan did not speal longer and expose, as he well could have done, the pritentious fallacies that had been uttered. It was on desire to acknowledge through Mr. Bryan our thanks to the Society for this expression of their kindness and respect, and to entertain them with some important general features and a few interesting details of the discoveries of the Polaris. But the audience had been held till a late hour.

I was somewhat wrought up by these considerations, and seeing what I had in the past, and comparing one surveys with Dr. Hayes's placeter.

had in the past, and comparing ou Hayes's glowing description of the non-existence of North Greenland a surveys with Dr. Hayer's glowing description country and the non-existence of North Green asserted by him. I was anxious to say a few we self, and inform the public of the manner in where being duped, had Jadge Daiy remembered called upon me. But, since no opportunity there iocked in by the crushing fee which filled the channel from shore to shore (where even to-day Dr. Hayes represents the existence of a "great sea"), and when no sunlight illuminated the heaven. I was accustomed to look westward, and could clearly discern the outlines of the cape from which Dr. Hayes chains to have seen the "open Polar Sea." On Christmas morning, 151, when the sun was nearly 15° below the horizon, even at noon. Dr. Bessels and I enjoyed a fine view of the opposite coast by moonlight where Dr. Hayes could not see across in the full glare of the long Arctic day. At that time we thought, how much better it would have been for bim, if he had stated the simple truth. We thought then that if we were so fortunate as to regain the civilized part of the world, that his discritation would be consigned to oblivion.

Mr. Morton was with Dr. Hayes on the Grinnell expedition commanded by Dr. Kane, and it is well known to us why this pioneer of Arctic travel was not present at this reception. I trust that this will help to lead your intelligent readers to examine the subject for themselves, and I doubt not that then they will do full justice to the memory of Capit Hail, and also to the name and fame of his merciless detractors.

N. HAYES, seaman on the late Polar expedition.

READING FOR THE HOSPITALS.

to the Editor of The Tribune.

Sin: Allow me to state in reply to your correspondent who asked, "Where are the boxes for papers for hospitals?" that (through the kindness of the H. R. R. R. Superintendent) a large box was placed some weeks age in the Thirtieth-st. Depot, and that since the date of his letter, but prior to its publication, a similar box has been placed by the exit door of the Grand Central Depot. The papers received in these boxes have been distributed daily among the patients in Bellevue Hospital for some time past.

As your correspondent takes an interest in the subject. will be not ask his feilow-passengers dsing these depots to throw their papers in these boxes; the present supply is sufficient only for Bellevue Hospital, while the boxes are large enough to receive the quantity requisite for the Charity Hospital, Hospital for Couvalescents, Hospital for fourables, and for the Soldiers' Retreat.

If the passengers will drop their papers in these boxes,

the State Charities Aid Association will have them dis-tributed daily as far as they "will go round," but as least four times the present supply is necessary to supply all the hospitals. Truly yours,

ALFRED PELL, Secretary of Committee on Books

QUESTIONS BETWEEN THE PARK COM-MISSION AND THE DEPARTMENT OF PUBLIC WORKS.

A CARD FROM COMMISSIONER VAN NORT. To the Editor of The Tribune.

SIR: Permit me, by the statement of a few facts in relation to the scope and intent of the bell to authorize the prosecution of the improvement of the Riverside and other avenues, as reported by the Senate Committee on Cities, to correct some serious errors which occur in an editorial in to-day's Tribuns. Refer

ring to this bill, the article says: It substantially provides that the work on streets through and around the Riverside and other parks in that region shall not remain under the control of the Department of Public Parks, to be let by public contract to the lowest responsible bidder, but shall be man aged by the Commissioner of Public Works as he pleases On the authority of the legal opinion of the Counsel

o the Corporation, and of a message of his Honor the

the Common Council, vetoing an ordi directing the improvement of the Riverside and Morn ngside-aves., it may be stated that the existing laws it relation to the jurisdiction over these avenues are so obscure and ambiguous that neither the Common Counnor the Park Department nor the Department of Public Works is clearly authorized to order or undertake the prosecution of these works, and both of these ials suggested the propriety and necessity of further legislation on this subject by the Legislature. which was then about to convene. The proposed law does not, therefore, take away from the Park Departany powers which it now possesses, but merely reaffirms the authority conferred on the Department of Public Works by Chapter 872 of the Laws of 1872, and which, in my opinion, was only partially abrogated by the amended charter, by giving the Common Council the power to pass ordinances directing the Department of Public Works to execute the work. Furthermore, furing the whole history of the Central Park Commission and the Department of Public Parks no work on streets or avenues bordering upon parks was ever dony either of them, and such street improvements as were carried on by them under special laws-the Boulevard, the Sixth and Seventh-aves., and Avenue St. licholas-were invariably done by day's work or by

Your article further says:

Counting the avenues and reads established, or referred to, in the bill, there are over 12 miles of streets and avenues herein bodily made over to the Commissioner of Pathic Works—six miles around the Central Park, three miles around the Riverside Park, but a mile around Mannattan Square, three quarters of a mile around Mr. Morris Square, one and three quarter miles around Morningside Park, and but a mile around High Bridge Park. Counting the avenues and roads established, or

special contract, and not by contract publicly let to the

ment is greatly exaggrerated. The sax miles of sireets and avenues around the Central Park, with the exception of Oce-handred-and-tenth-st. from Fifth o Eighth-aves, and Fifth-ave, from Ninety sixth to One-hundred-and-tenth-sts., are already, regulated and graded; so are the streets and avenues around Manhattan Square and Mt. Morris Square; One-hundred and tenthst, is now being improved under the Eastern Boulevard Under chapter 872 of the laws of 1872, above re rred to, this Department commenced work upon the Morningside and Riverside-aves, in June, 1872, and proscented it until the passage of the charter, which, as already stated, relegated these works to the central of the Common Council. At that time two thirds of the regulating and grading of the Morningade ave. had

regularing and grading of the Morningade ave. had been done, and considerable progress had been made on Riveredde ave. at the different points. The work to be done under the proposed bill is, therefore, not one third as large as would appear from your article.

In view of the fact that this Department ever since its existence, and its predecessor, the Street Department, before it, mave been charged by each succeeding charter with the immagement and control of all the streets, avenues and roads in the city, which at this time measure 448 miles in length, there seems to be no ground for appreaension that it will be overpowered or crished by his responsibility which the proposed bill intends to impose upon it. As to the opinion of the tax-payers and property-owners of the West Side, who are most deeply interested in these improvements, and door whom the cost will ultimately be assessed, whether this hepartment possesses the will and the ability to carry on those works in a vigorous and economical manner, as well as with regard to their wishes for a speedy prosecution of the taprovements. I beg to refer to the address of the President of the West Side Association to his Honor the Mayor, which appears in fail in one of this morning's papers. Yours very respectfully.

Geo. M. VAN NORE, Department of Public Works.

Commissioner of Public Works, March 2, 1874.

We gladly give space to Commissioner Van Nort's explanations, and only wish they might have emoved the most serious objections to the measure now before the Senate, which we still think remain

1. We have not concerned ourselves with the question whether the Park Department now clearly possesses powers which this bill makes over to the Commissioner of Public Works. We have said that, in the interest of a single and not divided responsibility, we believed it ought to possess them.

2. We have not said how much, or how little, the was to be done on the various avenues and roads established or referred to in the ball. We have only said that they are herein made over bodily to the Commissioner of Public Works, whereas we believe they ought to be under the control of the Department of Parks.

The Commissioner of Public Works certainly has all the work now legitimately within his control which any one public officer need care to undertake; and we are glad to bear testimony to the fact that omplaints about the manner in which it is disharged are comparatively infrequent. But we beeve in having a single, not divided responsibility : and for the work in and about the Parks, we should ike to be able to hold the Park Commission, and the

LAPAYETTE COLLEGE AND THE LITERARY CONTEST.
To the Editor of The Tribune.

Park Commission exclusively, responsible .- Ed.1

SIR: Allow me, through the columns of your ournal, to make a correction in the report of the proceedings of the intercollegiate Convention held at Hart-ford Feb. 19, so far as it relates to Lafayette College and he Lafayette delegates. I find in the report, as published in THE TRIBUNE of the 20th inst., and as pubished in The Yale Courant of a late issue, the following " Lafavette delegates were sent by the Faculty, but were bound by the Convention, provided the loss not take place at Saratoga."

This conveys the impression that the Faculty of Lafayette College are favorable to the project of intercollegiate contests, that they are now bound by the action the Convention inasmuch as the proposed contest is to take place in New-York City, and that they are and were take place in New-York City, and that they are and were opposed to holding the contest at Saratoga, and so instructed the delegates to vote. So far from this being the truth, we may say that the Faculty of Lafayette did not send the delegates, but only permitted them to go when sent by the students; that they did not commit themselves in the least with reference to the Convention or the contest, and never even mentioned Saratoga or any other place for holding the contest, favorably ocotherwise. The judgment of the Faculty was that contests are not feasible, and that the Convention, if it did anything, would not adopt any generally satisfactory plans. How such an impression as that set forth in the report could have taken hold of the Convention or the reporters; it is impossible to understand, for the delegates from Lafayette in their statements at the Convention made use of no such language. They did say, however, that they were sent by the students of Lafayette under leave of the Faculty, that they were without instructions or power to act for their they were without instructions or power to act for their constituents, but only came to the Convention to see constituents, but only came to the Convention to see whether it meant business, and to report that business, if any should be transacted, back to their constituents, who were indifferent at to whether the Convention should mature plans for a contest, and doubtful as to whether any plans would be feasible. No mention was made of Saratoga whatever, and the delegates favored New-York City only as being a literary center, and as likely to harmonize the discordant elements of the Convention. No action has yet been taken to railfy the provisional constitution adopted at the Convention. A Dai Egatz.

Lafayette College, Easion, Penn., Feb. 28, 1814. THE KING JURY STILL INCOMPLETE.

The work of testing jurors for competency to serve on the trial of James C. King, indicted for the murder of Anthony F. O'Neill, was resumed yesterday, before Judge Brady in the Court of Oyer and Terminer. District-Attorney Phelps and Assistant District-Attorney Lyon represented the people, and Mesers. Beach, Mota and Howe the defense. About half the number summoned in the panel of 102 answered to their names. James Gullen, who had derived an impression of horror from reading of the homeide; wm. M. Rorers, who had scruples against empital punshment; Ferdinand Kerne, who had a prejudice araises the defense of insanity; James Burchett, who did not believe in emotional insanity; and David Kieis, who had scruples against hanging a man, were excused. James Haydock, who believed that people were too often made out to be insane when they were perfectly saue, was also excused. Francis Darr, a soapmaker, of No. 32 Park-ave, and Frederick Link, of No. 33 West Thirty-fourth-st., were sworn as the ninth and tenth jurors, and the rest were set aside for previously formed opinious as to the prisoner's guilt or innocence. The pinions as to the prisoner's guilt or innocer anel being exhausted the Court adjourned